

AMENDMENTS TO THE CLAIMS

Please amend Claims 1 and 3-5, cancel Claim 2 without prejudice to or disclaimer of the subject matter contained therein, and add Claims 6-8 to read as follows.

1. (Currently Amended) A color liquid crystal display device comprising a liquid crystal display part, and light sources for irradiating the liquid crystal display part with lights of three primary colors, respectively, the device performing display of one frame by respective fields of three primary colors and a white field displayed with a mixture of the three primary colors in the liquid crystal display part,

wherein the device further comprises:

means a circuit for comparing brightness levels of inputted three primary color signals for a pixel to determine a minimum value one frame with each other to define a maximum value thereof as a brightness level of a white signal for one frame;

a circuit for determining a brightness level of a pixel in the white field as the minimum value modulated by a proportion value and for determining a maximum value of the minimum value of each pixel in one frame;

a circuit for subtracting the brightness value of each pixel in the white field from the inputted three primary color signals to create display signals for respective primary color fields; and

a circuit for setting the brightness of the light source in the white field as the maximum value multiplied by the proportion value and for driving the light source while supplying the display signals of the respective fields of three primary colors and the white field.

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~~means for setting a proportion of the brightness level of the white signal to be displayed in the white field; and~~

~~a light source driving part for driving the light sources of the three primary colors so that the white field emits light depending on the brightness level of the white signal and the proportion.~~

2. (Cancelled)

3. (Currently Amended) The color liquid crystal display device according to claim 1, wherein the proportion value is automatically set depending on changes of displayed image information.

4. (Currently Amended) The color liquid crystal display device according to claim 1, wherein the proportion value is set by a manual switch.

5. (Currently Amended) The color liquid crystal display device according to claim 1, wherein in a frame with the proportion value equal to 0%, one frame is divided into three fields to perform display only by three-color fields.

6. (New) The color liquid crystal display device according to claim 1, further comprising a circuit for detecting a motion of image or a change of maximum brightness to determine the proportion value.

7. (New) The color liquid crystal display device according to claim 1,
wherein the proportion value is in the range of 0% to 100%.

8. (New) The color liquid crystal display device according to claim 1,
wherein the brightness of the light source in respective primary color field is reduced
depending on the brightness in the white field.

Art Council